

# PATENT COOPERATION TREATY

To:

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# PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)	14 October 2004 (14.10.2004)
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Applicant's or agent's file reference  
**FP04033**

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
**PCT/KR 2004/001262**

International filing date (day/month/year)  
**28 May 2004 (28.05.2004)**

Priority Date (day/month/year)  
**30 May 2003 (30.05.2003)**

International Patent Classification (IPC) or both national classification and IPC  
**H04L 12/28, 12/24, 29/06**

Applicant

**LG ELECTRONICS INC.**

1. This opinion contains indications relating to the following items:

- ☒ Cont. No. I Basis of the opinion
- ☐ Cont. No. II Priority
- ☐ Cont. No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Cont. No. IV Lack of unity of invention
- ☒ Cont. No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☒ Cont. No. VI Certain documents cited
- ☐ Cont. No. VII Certain defects in the international application
- ☐ Cont. No. VIII Certain observations on the international application

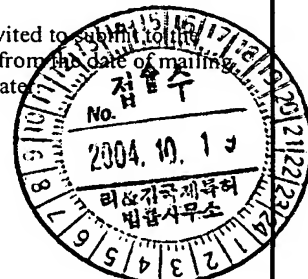
### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.



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## Continuation No. I

IAP13 Rec'd PCT/PTO 12 DEC 2005

## Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed.

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## Continuation No. V

## Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims 1-12	YES
	Claims ----	NO
Inventive step (IS)	Claims ----	YES
	Claims 1-12	NO
Industrial applicability (IA)	Claims 1-12	YES
	Claims ----	NO

## 2. Citations and explanations:

## Cited documents:

D1: EP 0 729 253 A

D2: US 2003/0009537 A1

Document D1 provides a method of administering a hierarchical network which involves determining whether a first managed object is to be detected and specifying a second managed object. It is determined whether the second object includes an active managed object. Each active managed object in the second object is specified when it is found. It is determined whether each active managed object completes an active operation. The second managed object is deleted from the network when each active managed object completes all active operations. Active objects in the second object are detected on the basis of active states. Preferably an active state of the managed objects is generated. It is determined whether the second managed object includes an active managed object based on the active state.

Documents D2 relates to a method for providing user interfaces in a first network to a remote access device, the first network including first devices interconnected via a communication medium, and at least one interface device for communication with the remote access device, the user interfaces for controlling the devices that are currently connected to the first network. The remote access device establishes communication with the first network via the interface device and sends a request to the interface device for accessing the first network. At least one of the first devices in the first network obtains information from one or more of said first devices currently connected to the first network, said information including device information, and generating a user interface description including at least one reference associated with the device information of each of said one or more first devices. The interface device sends the user interface description to the remote access device and the remote access device displays a user interface based on the user interface description, for user interaction with the first network. In another example, the interface device is connected to a second network via a communication link. The remote access device is connected to the second network via a communication link and establishes communication with the second network, for communication with the interface device of the first network via the second network. The remote access device further sends a request to the interface device via the second network for accessing the first network and the interface device sends the user interface description to the remote access device via the second network.

The present application relates to a home network system comprising at least to devices, a master and a home appliance, whereby the master sends a deletion request message to the home appliance in order to disconnect the home appliance. After that, the master receives a deletion response from the home appliance and deletes appliance related information.

However, document D1 describes essentially the same deletion process, running within a single network. In conjunction with D2, it's easy for a person skilled in the art to master the home network system with all features presented in claim 1.

Furthermore, D2 provides the handling of different kind of addresses, physical as well as logical. Therefore, the features of claims 2 and 3 are disclosed in D2 as well.

Moreover, D2 provides a user interface as claimed in claim 4. Thus, the features of claim 4 are well known, too.

The claims are grouped into three groups, 1 to 4, 5 to 8 and 9 to 12, each of them belonging to the same features. Therefore, all features can be found in the combination of the cited documents, D1 and D2.

Accordingly, all claims 1-12 are new but do not involve an inventive step.

Industrial applicability is given.

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